

20000514.qrp v01_n821.qrl.20000514

Date: Sun, 14 May 2000 19:03:12 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1821

QRP-L Digest 1821

Topics covered in this issue include:

- 1) [70133] Source of RG174?
by "Robert Armstrong" <barmstrong@sisna.com>
- 2) [70134] Re: DX QSL & IRC?
by "Mikey" <steam@corecomm.net>
- 3) [70135] Re: Source of RG174?
by "Chris / W4YYZ" <w4yyz@tampabay.rr.com>
- 4) [70136] Re: Source of RG174?
by "Mike Yetsko" <myetsko@insydesw.com>
- 5) [70137] RE: Source of RG174?
by Radman <radman@best.com>
- 6) [70138] Re: Loop!
by john@neknetwork.com
- 7) [70139] International Crystal Manufacturing Co.
by John Paul Dooley <w6zip@gte.net>
- 8) [70140] Re: Loop!
by "Mike Branca" <w3irz@att.net>
- 9) [70141] Re: K0EVZ = KC80C0/0 during FISTS Sprint
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 10) [70142] Movie - Frequency
by Rick McKee <kc8aon@juno.com>
- 11) [70143] Possible true story
by Robert B Boughner <notajock@juno.com>
- 12) [70144] Re: Possible true story
by "Victor Blackwell" <victor@brecnet.com>
- 13) [70145] Re: Movie - Frequency
by w4bws@juno.com
- 14) [70146] Re: Possible true story
by w4bws@juno.com
- 15) [70147] Barrie Gilbert - Inventor of the Year
by "Robert P. Okas" <vintage@best.com>
- 16) [70148] Sudden Enhanced Atmospherics
by "Victor Blackwell" <victor@brecnet.com>
- 17) [70149] Re: [70077] 4/15/00 fcc test credit
by Tom Isgro <k8cz@concentric.net>
- 18) [70150] Re: Barrie Gilbert - Inventor of the Year
by Chris Trask <ctrask@primenet.com>
- 19) [70151] SMK-1 #261 Working

- by "NN7CK" <nn7ck@mindspring.com>
- 20) [70152] Re: Loop!
by john@neknetwork.com
- 21) [70153] Re: Barrie Gilbert - Inventor of the Year
by "Robert P. Okas" <vintage@best.com>
- 22) [70154] A52A Log Search
by "J. Ervin Bates" <w8erv@email.msn.com>
- 23) [70155] HOT DAWG -- FW/G3TXF!!!!
by Adrian Weiss <aweiss@usd.edu>
- 24) [70156] Re: Wallis and Futuna Islands
by K7GT@aol.com
- 25) [70157] Re: DX QSL & IRC?
by "Richard C. Arzadon" <n8xi@juno.com>
- 26) [70158] QRQ Practice Net TIME.
by Ed Loranger <we6w@qsl.net>
- 27) [70159] Re: Movie - Frequency
by joe lerch <jl@early.com>
- 28) [70160] shipping weight on Century 21
by joe lerch <jl@early.com>
- 29) [70161] Re: Movie - Frequency
by "Robert Roach" <ke4qok@worldnet.att.net>
- 30) [70162] Re: shipping weight on Century 21
by "Mikey" <steam@corecomm.net>
- 31) [70163] Re: shipping weight on Century 21
by Al Patrick <arp@inet4u.com>
- 32) [70164] Re: DX QSL & IRC?
by Bruce Muscolino <w6toy@erols.com>
- 33) [70165] Re: SMK-1 #261 Working
by "NN7CK" <nn7ck@mindspring.com>
- 34) [70166] Re: Source of RG174?
by Vance Huntsinger <vhuntsinger@iwiw.net>
- 35) [70167] Recovering a Flooded Project?
by wb2vuo@juno.com
- 36) [70168] Swop RS-12A P/S
by "Francis Callahan" <colcal@srv.net>
- 37) [70169] Re: Barrie Gilbert - Inventor of the Year
by Chris Trask <ctrask@primenet.com>
- 38) [70170] Re: Recovering a Flooded Project?
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 39) [70171] Mircrowave Downconvertor & RX Preamp Sources?
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
- 40) [70172] Re: HOT DAWG -- FW/G3TXF!!!!
by Steve Yates <aa5tb@yahoo.com>
- 41) [70173] Re: International Crystal Manufacturing Co.
by Wb8siw@aol.com
- 42) [70174] Re: Possible true story
by Wb8siw@aol.com
- 43) [70175] FT-7 Project radio - \$85

by "Frank Krozel" <frank@electronicinstrument.com>
44) [70176] QRPP and OSHA
by Roger J Wendell <zeekzilch@juno.com>
45) [70177] Re: HOT DAWG -- FW/G3TXF!!!!
by Pete <peteros@home.com>
46) [70178] RE: QRPP and OSHA
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
47) [70179] Re: QRPP and OSHA
by Wb8siw@aol.com
48) [70180] Please help me test "The Loop"
by john@neknetwork.com
49) [70181] Re: Please help me test "The Loop"
by john@neknetwork.com
50) [70182] Re: Recovering a Flooded Project?
by "Cla KA0GKC" <ka0gkc@arrl.net>
51) [70183] FS ark-40,mfj-971,MBV tuner
by James Skalski <jskalski@localnet.com>
52) [70184] Re: Recovering a Flooded Project?
by Tom Bessler <tbessler@OregonVOS.net>
53) [70185] For all the newly upgraded folks who need antenna info !
by Rick McKee <kc8aon@juno.com>
54) [70186]
by Rick McKee <kc8aon@juno.com>
55) [70187] Re: QRPP and OSHA
by Wb8siw@aol.com
56) [70188] Re: Recovering a Flooded Project?
by "George T. Baker" <w5yr@att.net>
57) [70189] Re: QRPP and OSHA
by Bruce Muscolino <w6toy@erols.com>
58) [70190] Re: Loop!
by hamjoel@juno.com
59) [70191] Questions about Dayton
by "Alan Kaul" <alan.kaul@worldnet.att.net>
60) [70192] question for former (or present) submariners
by "Alan Kaul" <alan.kaul@worldnet.att.net>
61) [70193] Delving Even Deeper Into Loops
by "John Nall" <nally@talstar.com>
62) [70194] Re: Recovering a Flooded Project?
by wb2vuo@juno.com

Date: Sat, 13 May 2000 18:03:08 -0600
From: "Robert Armstrong" <barmstrong@sisna.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [70133] Source of RG174?
Message-ID: <000c01bfbfd37\$cae63a40\$c5b4d2d1@oemcomputer>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey y'all

Does someone know a source for significant lengths (40 -50 ft) of RG174 or a higher quality (but very flexible) equivalent?

My previous sources have all dried up.

Bob, N7XJ Utah

Date: Sat, 13 May 2000 19:06:30 -0500
From: "Mikey" <steam@corecomm.net>
To: <Arjen.Raateland@vyh.fi>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70134] Re: DX QSL & IRC?
Message-ID: <003c01bfbd38\$427befa0\$081028d0@megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Including a green stamp or two (depending on return rates) has greatly increased my qsl return rate in the past. Over the years, I have found that I use the bureau much more than I used to, but the return rate really suffers. The cards just don't=20 excite me the way they used to. I guess once you've passed=20 that dxcc, the thrill is kind of gone.

For DX I really need or will not be there for quite a while in the future, (rare dx'pedition) , I'd still send green stamps direct.=20 (Always fold in card stock in the envelope to hide them.)

IRC's are a ripoff. For every dollar, the dx gets 50 cents on them. I refuse to buy them.

Good luck... Mike
Chicago N9IV0
steam@corecomm.net <http://www.corecomm.net/~steam> =20

Date: Sat, 13 May 2000 20:27:23 -0400
From: "Chris / W4YYZ" <w4yyz@tampabay.rr.com>
To: <barmstrong@sisna.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70135] Re: Source of RG174?
Message-ID: <024f01bfbd3b\$2c5d10c0\$0100a8c0@xenu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.hotbot.com>

Do a search for "rg174" and there is a bunch of places that sell it by the foot...

> Hey y'all
>
> Does someone know a source for significant lengths (40 -50 ft) of RG174 or
a
> higher quality (but very flexible) equivilant?
>
> My previous sources have all dried up.
>
> Bob, N7XJ Utah
>
>

Date: Sat, 13 May 2000 20:37:37 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <barmstrong@sisna.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70136] Re: Source of RG174?
Message-ID: <008a01bfbd3c\$b83f3220\$f41afea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Hey y'all
>
>Does someone know a source for significant lengths (40 -50 ft) of RG174 or

a
>higher quality (but very flexible) equivalent?
>
>My previous sources have all dried up.
>
>Bob, N7XJ Utah

I think you can order 'spools' of it from Radio Shack.

Mike

Date: Sat, 13 May 2000 18:13:49 -0700
From: Radman <radman@best.com>
To: "'Robert Armstrong'" <barmstrong@sisna.com>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Subject: [70137] RE: Source of RG174?
Message-ID: <01BFBD07.46DD6B40@radman.vip.best.com>

Bob,

Two strategies:

Amateur Electronic Supply (AES) sells Belden RG-174 Sub-Mini as follows:

BEL 8216	BELDEN RG-174 SUB-MINI COAX	.29 per foot
BEL 8216100	BELDEN RG-174 SUB-MINI COAX	27.95 per 100 ft.

URL: <http://www.google.com/search?q=cache:www.aesham.com/bel.shtml+RG-174&hl=en>

OR -

Jameco sells a generic RG-174 - 100' roll for \$12.00. PN #112037
Add \$5.00 for orders under \$20.00. They ship USPS for lowest rates.
Tip - find something else to buy from them for 8 bux to hit the minimum ;)

URL: <http://www.jameco.com/> or 1-800-831-4242

I've purchased from both - nice companies - I'm just a customer.

GL es 73,

Conrad - NN6CW

From: Robert Armstrong[SMTP:barmstrong@sisna.com]
Subject: Source of RG174?

Hey y'all

Does someone know a source for significant lengths (40 -50 ft) of RG174 or a higher quality (but very flexible) equivalent?

My previous sources have all dried up.

Bob, N7XJ Utah

Date: Sat, 13 May 2000 21:21:38 -0400
From: john@neknetwork.com
To: sslyon@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70138] Re: Loop!
Message-ID: <391DFFA2.DECD8DF9@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Seab,

Just so you know, your article in QRP Homebrewer is partly responsible for the couple hundred feet of wire hanging from trees in my backyard. :)

It turns out I put up a bit more wire than I initially thought. I measured out roughly 220 feet this afternoon. This puts me in like NY city on 40m, but a hair short for 80m. I worked a friend of mine down in NH (abt 60 miles south of me) on 80m today, switching back and forth between the MFJ tuned loop and my trusty 80m dipole. The 80m dipole outperformed the loop by roughly one S unit on his meter. I suspect this is due to the loop being short for 80m, and the dipole being resonant. I found his sig was received equal on my end on both antennas.

I also have a 20m dipole and comparisons between that antenna and the tuned loop show the loop to hear a consistent 2 S units louder with less background noise. I can also hear weak sigs MUCH better on the loop - some sigs that are lost in the mud on the dipole can still be copied. I worked KA7HU0 and KC4VIA this afternoon on 20m, receiving a 599 and 579 respectively. This was QRO w/100 watts out.

I generally only do QRP on 40m and 80m (80 with my SW80) at night. 40m seemed pretty noisy, I couldn't get anyone to answer my yell around 7.042 w/5 watts. There were a number of ragchews going on, but sticking around and tail-ending proved to be fruitless. I'm going to try again later.

So what I'm finding with the loop is this; If the band is at, or higher than the band the loop is cut for, it will outperform a resonant dipole even when going through a tuner. If the band is lower, the dipole wins.

I'm now trying to figure out how and where to slice in another 50 or more feet of wire into the loop! My house is on 12 acres, but aside from the house and yard area it's all pretty thickly wooded with pine and spruce trees. Threading a wire through the pine and spruce is next to impossible.

Stay tuned... (pun intended), 73,

John, KB1ENS

S LYON wrote:

```
>
> John, do yourself a BIG favor:
> 1.) Don't worry about the length of the loop; go for MAX. ENCLOSED AREA
> above one w.l. at lowest accommodated band.
> 2.) The ladderline is a good idea. I've used the MFJ VERY successfully
> with loops & ladderline.
> 3.) In all cases, higher, bigger, and rounder loops rule!!
>
> let us know how you do!
> 72
> =s=
>
> john@neknetwork.com wrote:
> >
> > Folks, tomorrow I'm going to attempt to put up a loop to replace my too
> > close the house and too close the ground 40m dipole I hustled together
> > this winter. I've been hot for a loop all winter, but the 5 feet of snow
> --
>
> 'Seab' Lyon - AA1MY
> Beacon NY USA FN-31
> QRP-L 574 ARCI 9253
```

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Affordable web site hosting under your domain name!

C/C++, Perl, CGI, RDBMS, Web site creation and
Network Administration

Date: Sat, 13 May 2000 18:32:47 -0700
From: John Paul Dooley <w6zip@gte.net>
To: QRP-L@Lehigh.EDU
Subject: [70139] International Crystal Manufacturing Co.
Message-ID: <391E023E.FEAB53D2@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a comment on International Crystal Manufacturing Co.- They were able to manufacture a set of crystals for me with about a three week turnover. One tunes from 28.0 to 28.05 and the other 28.05 to 28.1. Both were for my AEA DX Handy MX-28S that I will use in Bumblebee land as #80. The pair were kind of pricey at \$17 ea. + \$3.50 shipping. But I still think they did a good job from the sample that I provided. Overall a top-notch outfit. -73's

John Paul Dooley W6ZIP
Victorville, Ca. ARS#712
Where have all the Mountaintoppers gone?

Date: Sat, 13 May 2000 20:32:29 -0500
From: "Mike Branca" <w3irz@att.net>
To: <john@neknetwork.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70140] Re: Loop!
Message-ID: <00ba01bfbd44\$76d8aac0\$68034d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John, you are correct about the loop needing to be close to the full wave. I have found that simply adding the extra wire was enough. Just zig zag it up and down and then it will be there. My experience was on 160 using first 360 feet then going to the full 500 feet. Later I widened the perimeter to run the 500 feet without zig zag and noticed no difference in performance. With open wire feed and a good homebrew tuner I have an excellent HF 9 band system. I used to run a tri band beam and dipoles but since the 500 foot loop I can see no need for the others.

Mike Branca W3IRZ in Conyers Georgia

----- Original Message -----

From: <john@neknetwork.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Saturday, May 13, 2000 8:21 PM

Subject: Re: Loop!

> Hey Seab,

>

> Just so you know, your article in QRP Homebrewer is partly responsible
> for the couple hundred feet of wire hanging from trees in my backyard.

> :)

>

> It turns out I put up a bit more wire than I initially thought. I
> measured out roughly 220 feet this afternoon. This puts me in like NY
> city on 40m, but a hair short for 80m. I worked a friend of mine down in
> NH (abt 60 miles south of me) on 80m today, switching back and forth
> between the MFJ tuned loop and my trusty 80m dipole. The 80m dipole
> outperformed the loop by roughly one S unit on his meter. I suspect this
> is due to the loop being short for 80m, and the dipole being resonant. I
> found his sig was received equal on my end on both antennas.

>

> I also have a 20m dipole and comparisons between that antenna and the
> tuned loop show the loop to hear a consistent 2 S units louder with less
> background noise. I can also hear weak sigs MUCH better on the loop -
> some sigs that are lost in the mud on the dipole can still be copied. I
> worked KA7HU0 and KC4VIA this afternoon on 20m, receiving a 599 and 579
> respectively. This was QRO w/100 watts out.

>

> I generally only do QRP on 40m and 80m (80 with my SW80) at night. 40m
> seemed pretty noisy, I couldn't get anyone to answer my yell around
> 7.042 w/5 watts. There were a number of ragchews going on, but sticking
> around and tail-ending proved to be fruitless. I'm going to try again
> later.

>

> So what I'm finding with the loop is this; If the band is at, or higher
> than the band the loop is cut for, it will outperform a resonant dipole
> even when going through a tuner. If the band is lower, the dipole wins.

>

> I'm now trying to figure out how and where to slice in another 50 or
> more feet of wire into the loop! My house is on 12 acres, but aside from
> the house and yard area it's all pretty thickly wooded with pine and
> spruce trees. Threading a wire through the pine and spruce is next to
> impossible.

>

> Stay tuned... (pun intended), 73,

>
> John, KB1ENS
>
> S LYON wrote:
> >
> > John, do yourself a BIG favor:
> > 1.) Don't worry about the length of the loop; go for MAX. ENCLOSED AREA
> > above one w.l. at lowest accommodated band.
> > 2.) The ladderline is a good idea. I've used the MFJ VERY successfully
> > with loops & ladderline.
> > 3.) In all cases, higher, bigger, and rounder loops rule!!
> >
> > let us know how you do!
> > 72
> > =s=
> >
> > john@neknetwork.com wrote:
> > >
> > > Folks, tomorrow I'm going to attempt to put up a loop to replace my
too
> > > close the house and too close the ground 40m dipole I hustled together
> > > this winter. I've been hot for a loop all winter, but the 5 feet of
snow
> > --
> >
> > 'Seab' Lyon - AA1MY
> > Beacon NY USA FN-31
> > QRP-L 574 ARCI 9253
>
> --
> John Wagner - john@neknetwork.com
> Web page: <http://www.neknetwork.com>
> Affordable web site hosting under your domain name!
> C/C++, Perl, CGI, RDBMS, Web site creation and
> Network Administration

Date: Sat, 13 May 2000 21:39:55 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:af852@rgfn.epcc.edu" <af852@rgfn.epcc.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [70141] Re: K0EVZ = KC80C0/0 during FISTS Sprint
Message-ID: <200005132141_MC2-A4D5-1EEB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit

Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Ray:

Guess I should have gone up to 15, sounds like. I stayed on 20, as my only working arm and hand were so painful I could hardly stand it. So since I had a couple of antennas already tuned for 20, I just stayed put. Will be interesting to see others' logs.

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail = K0EVZ@arrl.net

Date: Sat, 13 May 2000 21:45:32 EDT
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [70142] Movie - Frequency
Message-ID: <20000513.214539.4599.0.kc8aon@juno.com>

Gang,

Just came home from seeing the movie - Frequency, and I give it 2 rubber ducks up (ham's version of 2 thumbs up). Every ham should see this one !

73...Rick McKee KC8AON { CW lives as long as I do ! }
Willow Wood, Ohio "oo's"
AR QRP # 269 QRP-L # 2112 ZOMBIE # 718 FPqrp # 33
TriState BrassPounders # 1

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sat, 13 May 2000 22:14:35 -0400

From: Robert B Boughner <notajock@juno.com>
To: qrp-1@lehigh.edu
Subject: [70143] Possible true story
Message-ID: <20000513.221438.-185227.0.notajock@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

GangThought I would share this qrp story with you.

Back in the early 70's, this story was related to me. The Kankakee, IL radio club held a foxhunt on 80M. The fox had a qrp transmiiter. Remember that this was the era when the railroads were installing welded rails. Anyway, equipped with a qrp portable station, the fos hid out in a farmer's underpass and via a turner attached the station to the rail. this antenna was so good that no one was able to pinpoint the elusive fox.

As I say, this story is allegedly a true one. Can anyone top it?

Bob WA9LSD

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sat, 13 May 2000 22:26:27 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: <notajock@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [70144] Re: Possible true story
Message-ID: <001601bfbd4b\$cf0e9720\$4b5730d1@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

He was in the NVIS mode. One of the reason the military loves it is because it is very difficult to DF.

Vic AD8K

-----Original Message-----
From: Robert B Boughner <notajock@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Saturday, May 13, 2000 10:09 PM
Subject: Possible true story

>GangThought I would share this qrp story with you.
>
>Back in the early 70's, this story was related to me. The Kankakee, IL
>radio club held a foxhunt on 80M. The fox had a qrp transmiiter.
>Remember that this was the era when the railroads were installing welded
>rails. Anyway, equiped with a qrp portable station, the fos hid out in a
>farmer's underpass and via a turner attached the station to the rail.
>this antenna was so good that no one was able to pinpoint the elusive
>fox.
>
>As I say, this story is allegedly a true one. Can anyone top it?
>
>Bob WA9LSD
>-----
>YOU'RE PAYING TOO MUCH FOR THE INTERNET!
>Juno now offers FREE Internet Access!
>Try it today - there's no risk! For your FREE software, visit:
><http://dl.www.juno.com/get/tagj>.

Date: Sat, 13 May 2000 22:22:05 -0400
From: w4bws@juno.com
To: kc8aon@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [70145] Re: Movie - Frequency
Message-ID: <20000513.223239.-174407.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I enjoyed it and my wonderful lady friend who is not ham oriented
but enjoys my having fun with it and going to ham functions with
me really enjoyed it also. I still can't believe she was willing to help
me drive to Dayton just to see what it was all about. What a great lady.
Don W4BWS

On Sat, 13 May 2000 21:45:32 EDT Rick McKee <kc8aon@juno.com> writes:
> Gang,
>
> Just came home from seeing the movie - Frequency, and I give it 2
> rubber ducks up (ham's version of 2 thumbs up). Every ham should see
> this

> one !
>
>
> 73...Rick McKee KC8AON { CW lives as long as I do ! }
> Willow Wood,Ohio "oo's"
> AR QRP # 269 QRP-L # 2112 ZOMBIE # 718 FPqrp # 33
> TriState BrassPounders # 1
>
>
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Sat, 13 May 2000 22:31:33 -0400
From: w4bws@juno.com
To: notajock@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [70146] Re: Possible true story
Message-ID: <20000513.223239.-174407.1.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The local radio club had fox hunts on 2 meters one Sunday a month back in the 60's following a club picknic at the local park. I hid one Sunday where I could use a 4 element beam pointed toward a large metal water tower using it as a passive reflector and after 2 hours only one of the 13 hunters had found me and that one was by accident. They reported hearing me in all directions. I wonder why, HEE,Hee.
Don W4BWS

On Sat, 13 May 2000 22:14:35 -0400 Robert B Boughner <notajock@juno.com> writes:

> GangThought I would share this qrp story with you.
> Back in the early 70's, this story was related to me. The Kankakee,
> Il radio club held a foxhunt on 80M. The fox had a qrp transmiiter.
> Remember that this was the era when the railroads were installing
> welded rails. Anyway, equiped with a qrp portable station, the fos
> hid out in a farmer's underpass and via a turner attached the station

> to the rail. this antenna was so good that no one was able to
> pinpoint the elusive fox.
> As I say, this story is allegedly a true one. Can anyone top it?
> Bob WA9LSD
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Sat, 13 May 2000 20:45:59 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: qrp-1@lehigh.edu
Subject: [70147] Barrie Gilbert - Inventor of the Year
Message-ID: <Pine.BSF.4.21.0005132005230.9124-100000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Folks,

I was thumbing through the April 27th issue of EDN, an engineering trade journal, when I came upon this gentleman's name on page 103. He was voted that magazine's inventor of the year for 1999.

Gilbert joined Tektronix back in '64 and wound up creating a number of innovations, to the tune of 50 patents. At least one of them is near and dear to all of our qrp hearts: the Gilbert mixer. I did a quick mental inventory and can't think of a recent rig that doesn't use an NE602 or derivative somewhere in the signal chain. The Gilbert mixer is the heart of these devices.

Another invention, the Gilbert gain cell, is found in VCAs, or voltage controlled amplifiers, (can you say, "AGC?"). Curiously, he also worked in the area of optical holographic memories, something I've been involved with for the last 5 years (it ain't an easy problem, folks). But that's not all; Mr. Gilbert also developed the AD8361, a chip that measures the rms power of various RF waveforms and a device that I've heard mentioned in this reflector not all that long ago.

In the relentless pursuit of our hobby, it is often easy to overlook the folks that do the heavy lifting behind the scenes. I am a bit awe

struck to think that Barrie Gilbert serendipitously influenced nearly a whole generation of hams with his inventions. From SMK-1 through K2, his work has touched all of us.

It's been over 100 years, but I feel the urge to think of Tommy Edison every time I flick the light switch...

73,
Bob - W3CD

Date: Sat, 13 May 2000 23:47:30 -0400
From: "Victor Blackwell" <victor@bretnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [70148] Sudden Enhanced Atmospheric
Message-ID: <000b01bfbd57\$21c18bc0\$4b5730d1@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This may be a tough challenge. As some of you know, I am very interested in propagation.

I wish to record Sudden Enhanced Atmospheric. I could use like a zero to one mill chart recorder. But I don't have one. So why not make recordings on the computer.

Does anyone know where I can download a chart recorder? I could then make the recordings and attempt to analyze the data. Anyone have any ideas?

Vic AD8K/qrp

Date: Sat, 13 May 2000 23:54:27 -0400
From: Tom Isgro <k8cz@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [70149] Re: [70077] 4/15/00 fcc test credit
Message-ID: <391E2373.2E0034FA@concentric.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The ARRL posted a bulletin Friday evening stating they were behind in forwarding the upgrades to the FCC due to the large number of applications filed April 15. Apparently other VEC's are having the same problem.

Hope everyone gets theirs soon.

--

72, 73 oo's
Tom K8CZ Hamilton, OH
FPqrp #-41, QRP-1 945, FISTS 2360, NORCAL 2113, ARCI 9606,
10-10 68364, SCI 1479, ARS 203, ARRL

Date: Sat, 13 May 2000 21:20:51 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Robert P. Okas" <vintage@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70150] Re: Barrie Gilbert - Inventor of the Year
Message-ID: <Pine.BSI.3.96.1000513210051.29138A-100000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 13 May 2000, Robert P. Okas wrote:

> Hi Folks,
>
> I was thumbing through the April 27th issue of EDN, an engineering
> trade journal, when I came upon this gentleman's name on page 103. He
> was voted that magazine's inventor of the year for 1999.
>
> Gilbert joined Tektronix back in '64 and wound up creating a number of
> innovations, to the tune of 50 patents. At least one of them is near and
> dear to all of our qrp hearts: the Gilbert mixer.
>

Except that Barrie Gilbert DID NOT invent the "Gilbert Cell". It was invented earlier by Howard Jones, US Patent 3,241,078. Gilbert claims that he was not aware of the Jones patent, but in fact it is listed as the fourth item under US Patents Referenced in Gilbert's patent of 1972, six years after the Jones patent.

I discovered this while doing a patent and prior art search for my own patents on feedback mixers. And I later learned that most people who

design mixers for a living understand this controversy and recognize Jones as the true originator.

Gilbert has recently tried to make claim to creating a mixer with linearized driving currents, which he has named the "Micromixer", but which in fact is a duplication of two earlier patents by Heck, US Patent 5,548,840, and Talbot, US Patent 4,485,359.

After realizing Gilbert's liberties with other people's innovations, I've been very mindful to publish openly after filing a patent application to prevent my own work from being "appropriated".

Sorry to cast a shadow over all this, but it's best not to let the myth continue uncorrected.

Chris

[illegible]

High Performance Mixers and Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sun, 14 May 2000 00:43:48 -0400
From: "NN7CK" <nn7ck@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <nn7ck@mindspring.com>
Subject: [70151] SMK-1 #261 Working
Message-ID: <01f001bfbfd5e\$ffb523e0\$09818ad1@default>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tonight I completed my SMK-1 and get about .25 watts out on my WM-2.

I have the extremely loud side tone problem and will jumper out J5 tomorrow (used cliplead across it and it solves the problem).

I only have a random wire strung around in my apartment at neck level but I do hear cw signals.

Planning to slingshot a halfwave wire out of my second floor window into the trees and drop a 1/4 wave counterpoise out the window next week then I'll be looking for some SMK-SMK QSOs.

72/73 ... Gene ... NN7CK/4 ... Asheville, NC

Date: Sun, 14 May 2000 00:19:18 -0400
From: john@neknetwork.com
To: Mike Branca <w3irz@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70152] Re: Loop!
Message-ID: <391E2946.E4FE4EE2@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Interesting thought, Mike. I probably could toss the extra wire in there, some how.

I've been trying to come up with solutions to expanding the loop and so far I'm drawing a blank. I could conceivably swing it over the house, into the front yard, over the shed and then around back again, adding about 200 more feet of wire in the process, but the XYL is starting to make noises about the house looking like a military communications center.

If she keeps it up, I may have to pick up some camo netting as well.... or a tent to sleep in. :)

73,

John, KB1ENS

Mike Branca wrote:

>
> John, you are correct about the loop needing to be close to the full wave.
> I have found that simply adding the extra wire was enough. Just zig zag it
> up and down and then it will be there. My experience was on 160 using first
> 360 feet then going to the full 500 feet. Later I widened the perimeter to
> run the 500 feet without zig zag and noticed no difference in performance.
> With open wire feed and a good homebrew tuner I have an excellent HF 9 band
> system. I used to run a tri band beam and dipoles but since the 500 foot
> loop I can see no need for the others.

>
> Mike Branca W3IRZ in Conyers Georgia

>
> ----- Original Message -----
> From: <john@neknetwork.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Saturday, May 13, 2000 8:21 PM
> Subject: Re: Loop!

>
> > Hey Seab,
> >
> > Just so you know, your article in QRP Homebrewer is partly responsible
> > for the couple hundred feet of wire hanging from trees in my backyard.
> > :)
> >
> > It turns out I put up a bit more wire than I initially thought. I
> > measured out roughly 220 feet this afternoon. This puts me in like NY
> > city on 40m, but a hair short for 80m. I worked a friend of mine down in
> > NH (abt 60 miles south of me) on 80m today, switching back and forth
> > between the MFJ tuned loop and my trusty 80m dipole. The 80m dipole
> > outperformed the loop by roughly one S unit on his meter. I suspect this
> > is due to the loop being short for 80m, and the dipole being resonant. I
> > found his sig was received equal on my end on both antennas.
> >
> > I also have a 20m dipole and comparisons between that antenna and the
> > tuned loop show the loop to hear a consistent 2 S units louder with less
> > background noise. I can also hear weak sigs MUCH better on the loop -
> > some sigs that are lost in the mud on the dipole can still be copied. I
> > worked KA7HU0 and KC4VIA this afternoon on 20m, receiving a 599 and 579
> > respectively. This was QRO w/100 watts out.
> >
> > I generally only do QRP on 40m and 80m (80 with my SW80) at night. 40m
> > seemed pretty noisy, I couldn't get anyone to answer my yell around
> > 7.042 w/5 watts. There were a number of ragchews going on, but sticking
> > around and tail-ending proved to be fruitless. I'm going to try again
> > later.
> >
> > So what I'm finding with the loop is this; If the band is at, or higher

> > then the band the loop is cut for, it will outperform a resonant dipole
> > even when going through a tuner. If the band is lower, the dipole wins.
> >
> > I'm now trying to figure out how and where to slice in another 50 or
> > more feet of wire into the loop! My house is on 12 acres, but aside from
> > the house and yard area it's all pretty thickly wooded with pine and
> > spruce trees. Threading a wire through the pine and spruce is next to
> > impossible.
> >
> > Stay tuned... (pun intended), 73,
> >
> > John, KB1ENS
> >
> > S LYON wrote:
> > >
> > > John, do yourself a BIG favor:
> > > 1.) Don't worry about the length of the loop; go for MAX. ENCLOSED AREA
> > > above one w.l. at lowest accommodated band.
> > > 2.) The ladderline is a good idea. I've used the MFJ VERY successfully
> > > with loops & ladderline.
> > > 3.) In all cases, higher, bigger, and rounder loops rule!!
> > >
> > > let us know how you do!
> > > 72
> > > =s=
> > >
> > > john@neknetwork.com wrote:
> > > >
> > > > Folks, tomorrow I'm going to attempt to put up a loop to replace my
> > > > too
> > > > close the house and too close the ground 40m dipole I hustled together
> > > > this winter. I've been hot for a loop all winter, but the 5 feet of
> > > > snow
> > > > --
> > > >
> > > > 'Seab' Lyon - AA1MY
> > > > Beacon NY USA FN-31
> > > > QRP-L 574 ARCI 9253
> > > >
> > > > --
> > > > John Wagner - john@neknetwork.com
> > > > Web page: <http://www.neknetwork.com>
> > > > Affordable web site hosting under your domain name!
> > > > C/C++, Perl, CGI, RDBMS, Web site creation and
> > > > Network Administration

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>
Affordable web site hosting under your domain name!
C/C++, Perl, CGI, RDBMS, Web site creation and
Network Administration

Date: Sat, 13 May 2000 22:16:20 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Chris Trask <ctrask@primenet.com>
Cc: "Robert P. Okas" <vintage@best.com>, Low Power Amateur Radio Discussion <qrp-
l@Lehigh.EDU>
Subject: [70153] Re: Barrie Gilbert - Inventor of the Year
Message-ID: <Pine.BSF.4.21.0005132141460.24798-1000000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If there are corrective measures to be administered, please allow me to be first in line. Like the various urban legends we've all heard, the same exists in scientific circles. I was/am not aware of the dispute between Jones & Gilbert. I can only cite the various references available to me, e.g. the Signetics data book, that explicitly refer to Gilbert cells in their various incarnations. However, it is important to make necessary corrections when misunderstandings exist. I guess I've been called to Trask ;-} ;-} ;-} ;-}

If a misconception exists, it has been sadly propagated by Industry. Thank Goodness that Armstrong is recognized for his contributions to the science of radio, despite de Forest's claims (who incidentally won a patent dispute against the former). FWIW, Edison did not really "invent" the incandescent lamp. Others had the idea before him. He alone persevered in the pursuit of the optimal material with which to make a filament. Yet, he is credited with the invention. Others built upon his work, as he did with his predecessors. It seems to be a continuous process.

73,
Bob - W3CD

On Sat, 13 May 2000, Chris Trask wrote:

> On Sat, 13 May 2000, Robert P. Okas wrote:
>
> > Hi Folks,
> >
> > I was thumbing through the April 27th issue of EDN, an engineering

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

>
> Graphics by Loek Frederiks
>
>
>
>
>
>

Date: Sun, 14 May 2000 01:31:55 -0400
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70154] A52A Log Search
Message-ID: <013401bfbd65\$b8321620\$e725143f@win98>

For those that asked, here it is:

<http://www.qsl.net/bhutan2000/a5log.html>

72,
Erv W8ERV

HamFair2000 is coming...ask me about it!
"Dare to Dream-It Sets Your Spirit Free!"

10-10# 70639 - QRP-ARCI# 9702 - SOC# 41
QRP-L #1569 - NorCal Zombie #236 - Worked All
El Paso #033/1999 - Member, MI DX Assn.
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL
Rag Chewers' Club - WAC -

Date: Sun, 14 May 2000 01:22:26 -0500 (CDT)
From: Adrian Weiss <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [70155] HOT DAWG -- FW/G3TXF!!!!
Message-ID: <Pine.SOL.4.03.10005140119280.16761-100000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

FW/G3TXF has been showing up around 0500-0600 on 30m, various
freqs. Tonight 20-mins calling and BINGO -- #122!!!

Now 0623 and he's not getting responses!

30m has been ON and I've heard a few QRP'rs working DX.

Patience! Go for it!

72, Ade

Date: Sun, 14 May 2000 03:00:39 EDT
From: K7GT@aol.com
To: qrp-1@lehigh.edu
Subject: [70156] Re: Wallis and Futuna Islands
Message-ID: <a6.44cea75.264fa917@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Worked him at 5W to the trap vertical last Thursday on 20m about a minute
before
the DX cluster post brought out the buzzing hornets. It would have taken much
more
than that afterwards...

#72 toward QRP Millenium DXCC award.

73

K7GT

Date: Sun, 14 May 2000 08:12:59 +0100
From: "Richard C. Arzadon" <n8xi@juno.com>
To: qrp-1@Lehigh.EDU

Subject: [70157] Re: DX QSL & IRC?
Message-ID: <20000514.082808.-318431.1.n8xi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have used IRC's on occasion and "green stamps" in the past.
But, a return card using these methods, in my case, are almost nil.
It takes time for the DX station to convert IRC's and "green stamps"
to envelopes, stamps & QSL cards.
In fact, in some countries, it is illegal to have foreign currency.
And, "green stamps" have a tendency of getting lost!

I normally use the QSL Bureau System. As it has been stated previously,
it is a whole
lot cheaper and the cards will come albeit a little slow.

Now, if you really want to make it convenient for the DX station, why not
use an SASE ?

The DX station -or- manager doesn't have to:

- 1) Buy an envelope
- 2) Address the envelope to you
- 3) Buy Stamps
- 4) Figure out what to do with an IRC or "green stamp"

I use a small return (Air-mail) envelope stuffed inside a larger
(Air-mail) envelope,
with the proper stamps attached and my card.

I've used SASE's since 1989 and have had over a 90%, or better return
rate on QSL's.

A good place to find info on IRC's, etc is:
<http://www.ac6v.com/page2.html>

I recently received a QSL card for my QRP contact with T31T using an SASE
to manager Nils, SM6CAS.

72, Rick - N8XI
Taylor, MI

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 14 May 2000 01:36:50 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>
Subject: [70158] QRQ Practice Net TIME.
Message-ID: <391E65A2.27EC40E2@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, I inadvertently copied/pasted
an old, Standard time post of the
QRQ Net start time.

The net is Sunday, 7 PM PACIFIC TIME
on 7039 KHz.

That is Monday, 0200Z UTC.

I know the regulars have it memorized as
7 PM Pacific time so there should be a
small crowd.

Being mother's day, I'm not sure if mom
will grab me by the ear if I sneak into
the shack :)

see you then.

-Ed

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Sun, 14 May 2000 03:52:08 -0400
From: joe lerch <jl@early.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70159] Re: Movie - Frequency
Message-ID: <00051403575103.00271@->
Content-Type: text/plain
MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

On Sat, 13 May 2000, you wrote:

> Just came home from seeing the movie - Frequency, and I give it 2
> rubber ducks up (ham's version of 2 thumbs up). Every ham should see this
> one !

I was planning on seeing this movie until a local coworker that goes to a movie every weekend gave me a "wait for the video" review on it. He did say that as a ham, I might enjoy it more because ham radio was a tool in the movie.

joe

Date: Sun, 14 May 2000 04:13:03 -0400
From: joe lerch <jl@early.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70160] shipping weight on Century 21
Message-ID: <00051404142604.00271@->
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Can anyone give me an apporxomate weight on a Century 21 to esitmate shipping costs?

thanks in advance

joe (kc3gv)

Date: Sun, 14 May 2000 07:31:48 -0400
From: "Robert Roach" <ke4qok@worldnet.att.net>
To: <w4bws@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70161] Re: Movie - Frequency
Message-ID: <002501bfbfd97\$ff082b20\$66686620@bobr>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Perhaps she would concent to being cloned????????<GGGG>

Bob
KE4QOK

----- Original Message -----

From: <w4bws@juno.com>
Subject: Re: Movie - Frequency

> I enjoyed it and my wonderful lady friend who is not ham oriented
> but enjoys my having fun with it and going to ham functions with
> me really enjoyed it also. I still can't believe she was willing to help
> me drive to Dayton just to see what it was all about. What a great lady.
> Don W4BWS

Date: Sun, 14 May 2000 07:18:20 -0500
From: "Mikey" <steam@corecomm.net>
To: <jl@early.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70162] Re: shipping weight on Century 21
Message-ID: <002d01bfbd9e\$7eee6ba0\$2b2f28d0@megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Rig is probably about 8 lbs. You shipping the power supply?
VFO? Keyer?

Mike Pender Chicago N9IV0
steam@corecomm.net <http://www.corecomm.net/~steam> =20

Date: Sun, 14 May 2000 08:35:44 -0400
From: Al Patrick <arp@inet4u.com>
To: steam@corecomm.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [70163] Re: shipping weight on Century 21
Message-ID: <391E9DA0.A1A9904C@inet4u.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mikey wrote:

> Rig is probably about 8 lbs. You shipping the power supply?
> VFO? Keyer?
>
> Mike Pender Chicago N9IV0
> steam@corecomm.net <http://www.corecomm.net/~steam>

I have seen/handled one one time, but the weight is probably more like 20#. The PS is built in.

73,

Al

--

"The Truth is Hate, to Those Who Hate the Truth"
Do what's right. You'll please OR AMAZE everyone!

Date: Sun, 14 May 2000 08:47:55 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: n8xi@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [70164] Re: DX QSL & IRC?
Message-ID: <391EA07B.5180@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard,

The only problem with SASE's is getting the proper stamps. One or two companies advertise 'mint' stamps for hams. It is the only way to be sure your money is used for stamps, other than IRC's.

73

Date: Sun, 14 May 2000 09:06:57 -0400
From: "NN7CK" <nn7ck@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <nn7ck@mindspring.com>
Subject: [70165] Re: SMK-1 #261 Working
Message-ID: <001901bfbda5\$49b4c360\$6dc48ad1@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Obviously in my last e-mail I meant to say that I'd jumper out D5 for the sidetone problem. Guess that's what you get at that hour.

72/73 ... Gene

----- Original Message -----

From: "NN7CK" <nn7ck@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, May 14, 2000 12:43 AM
Subject: SMK-1 #261 Working

> Tonight I completed my SMK-1 and get about .25 watts out on my WM-2.
>
> I have the extremely loud side tone problem and will jumper out J5
tomorrow
> (used cliplead across it and it solves the problem).
>
> I only have a random wire strung around in my apartment at neck level but
I
> do hear cw signals.
>
> Planning to slingshot a halfwave wire out of my second floor window into
the
> trees and drop a 1/4 wave counterpoise out the window next week then I'll
be
> looking for some SMK-SMK QSOs.
>
> 72/73 ... Gene ... NN7CK/4 ... Asheville, NC
>

Date: Sun, 14 May 2000 08:06:20 -0500
From: Vance Huntsinger <vhuntsinger@iwic.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70166] Re: Source of RG174?
Message-ID: <4.2.0.58.20000514074340.009ca970@mail.iwic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

You might try Davis RF. I've found them to be good people to deal with.
They list RG174 as one of the products they carry.

Web page: <http://www.davisrf.com/ham1/coax.htm>

73,
Vance, WA9YDJ

Date: Sun, 14 May 2000 09:18:33 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [70167] Recovering a Flooded Project?
Message-ID: <20000514.091926.-108199.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

We had a flood here in the Great Bergen Swamps yesterday, 3" of rain overnight and another 2" during the day. In addition the power went out from Midnite to 4 PM which meant no sump pump for that time period.

The basemet was flooded here, and the water was high enough that my 2N2/40 board was submerged in scummy water for about 10 hours (until the FD pumped me out...).

The DBM was assembled and I had the pads in place for a couple of sections. Whatever was in the water included a couple of cans of old paint, cleaning solvents, laundry products and (used) cat litter boxes(!)

I am back to square one, but fortunately parts are no a problem. I have a collection of the main componenets on the way here via the US Snail. The parts were promised BEFORE this flood, which falls in the extreme "Good Luck" catagory if I ever saw one. I should buy a lottery ticket, Fast!

Before I toss what I have, does anyone have any cleaning techniques that might salvage the exsisting board? Do I even want to try? There's no shiny copper left anywhere on the main board, but it's no pitted (as of yet).

As for the rest of the capital equipment (furnace/washer/dryer), they survived the flood. The furnace is up on blocks and the laundry is on a step at the "high" end of the basement. Just the feet of the ewasher & dryer got wet.

The funniest thing out of the storm was the lawn service next door. They tried cutting the lawn with 1/2" of standing water in the yard! That 42" cut John Deere looked like an airboat, and the lawn looks horrible!

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp
VP & FD'00 Chairman, Brockport Amateur Radio Klub & SOC # 119
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 14 May 2000 07:37:37 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [70168] Swop RS-12A P/S
Message-ID: <000501bfbda9\$92a6f080\$a9de070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a Astron RS-12A Power Supply that I would like to trade for a MFJ 418
Morse Code Tutor. CAL KF7ET colcal@srv.net direct or 208 357 7431 Thanks

Date: Sun, 14 May 2000 06:33:48 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Robert P. Okas" <vintage@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70169] Re: Barrie Gilbert - Inventor of the Year
Message-ID: <Pine.BSI.3.96.1000514062237.20827A-1000000@usr06.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 13 May 2000, Robert P. Okas wrote:

>
> If there are corrective measures to be administered, please allow me
> to be first in line. Like the various urban legends we've all heard, the
> same exists in scientific circles. I was/am not aware of the dispute
> between Jones & Gilbert. I can only cite the various references available
> to me, e.g. the Signetics data book, that explicitly refer to Gilbert
> cells in their various incarnations. However, it is important to make

Graphics by Loek Frederiks

Date: Sun, 14 May 2000 09:58:40 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1@lehigh.edu
Subject: [70170] Re: Recovering a Flooded Project?
Message-ID: <3.0.6.32.20000514095840.00797d40@vmsspop.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:18 AM 5/14/00 -0400, you wrote:

>We had a flood here in the Great Bergen Swamps yesterday, 3" of rain
>overnight and another 2" during the day. In addition the power went out
>from Midnite to 4 PM which meant no sump pump for that time period.

Keith,

Boy, when it rains it... oh never mind. Sorry to hear about your, umm, adventure.
(That's the advantage to living in a mobile home - EVERYTHING is up on blocks!)

>The basemet was flooded here, and the water was high enough that my
>2N2/40 board was submerged in scummy water for about 10 hours (until the
>FD pumped me out...).

<snip>

>Before I toss what I have, does anyone have any cleaning techniques that
>might salvage the exsisting board? Do I even want to try? There's no
>shiny copper left anywhere on the main board, but it's no pitted (as of
>yet).

I went to school with a lady whose husband Dave worked in a 2-way radio shop in Parkersburg, WV. It's a hilly area, and occasionally a power company truck or radio news reporter's car would end up in the Ohio River. (Guess they don't use parking brakes.) Anyway, Dave's frequently successful attempts to recover waterlogged radios included:

- 1) Blow out the silt with a garden hose.
- 2) Rinse carefully with distilled water.
- 3) Shake off excess water, blow dry with compressed air.
- 4) Set the oven at about 150-160 degrees and bake the radio on a cookie sheet overnight. Prop the oven door open slightly to allow water vapor to escape.
- 5) Remove from oven, allow to cool, serve with vanilla ice cream (No, wait, that's apple pie. Stop at "cool.")
- 6) Visually inspect: look for corrosion, contamination, insects - the usual. Give

special attention to pots, air variable caps, switches, and sockets. An ohmmeter check across the power input would be in order, too.

7) Power up and check it out. Realign if necessary, troubleshoot any operational problems.

Since the 2N2/40 is pretty much an open board, I'd say the prognosis is good unless you got some really freaky contamination. Hose the thing out with clear water first, dry thoroughly, and give it a look.

Dave

Date: Sun, 14 May 2000 06:58:18 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [70171] Mircrowave Downconvertor & RX Preamp Sources?
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB2D@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

I am looking for US sources for wideband (kit or partial) microwave downconvertors and receive RF preamps. The DC's require 2-4 GHz and 4-6 GHz input (antenna) and 0-2 GHz output (IF) to receiver. The RFP's require a "DC" through 2 or 3 GHz response, "low" NF and 15-25 dB gain.

73,
Jay
W6CJ

Date: Sun, 14 May 2000 07:14:20 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70172] Re: HOT DAWG -- FW/G3TXF!!!!
Message-ID: <20000514141420.15188.qmail@web3006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Congradulations Ade!

I worked him too last night at 0556 UTC on the first call after he gave a long CQ. I just happen to be listening on the frequency he started calling CQ on

(10.103 MHz). I was using 5W and my random wire tuned with my SGC SG-237 tuner.

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@yahoo.com

Do You Yahoo!?
Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Sun, 14 May 2000 10:26:40 EDT
From: Wb8siw@aol.com
To: w6zip@gte.net, qrp-1@lehigh.edu
Subject: [70173] Re: International Crystal Manufacturing Co.
Message-ID: <7d.4dec526.265011a0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 05/13/2000 9:35:38 PM Eastern Daylight Time, w6zip@gte.net writes:

<< Just a comment on International Crystal Manufacturing Co.- They were able to manufacture a set of crystals for me with about a three week turnover. One tunes from 28.0 to 28.05 and the other 28.05 to 28.1. Both were for my AEA DX Handy MX-28S that I will use in Bumblebee land as #80. The pair were kind of pricey at \$17 ea. + \$3.50 shipping. But I still think they did a good job from the sample that I provided. Overall a top-notch outfit. -73's

John Paul Dooley W6ZIP >>

Hi John:

I've been dealing with International Crystal for 30 years and have always been pleased with the quality of service.

I once needed a crystal for a Scientific Atlanta satellite receiver in use at one of our customer's broadcast facilities. Scientific Atlanta quoted me \$ 150.00 and told me I'd have to purchase three crystals. I called International and they quoted slightly over \$ 5.00!

By the way, when I called Scientific Atlanta back to complain, the customer service rep referred to me as "a damn Yankee from the North who wants something for nothing." LOL.

73, Jim WB8SIW

Date: Sun, 14 May 2000 10:28:52 EDT
From: Wb8siw@aol.com
To: notajock@juno.com, qrp-1@lehigh.edu
Subject: [70174] Re: Possible true story
Message-ID: <c.522500e.26501224@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 05/13/2000 10:12:22 PM Eastern Daylight Time, notajock@juno.com writes:

<< Anyway, equipped with a qrp portable station, the fos hid out in a farmer's underpass and via a turner attached the station to the rail. >>

....and probably drove some poor Signal Maintainer nuts for hours...LOL...

73! Jim WB8SIW

Date: Sun, 14 May 2000 09:58:59 -0500
From: "Frank Krozel" <frank@electronicinstrument.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70175] FT-7 Project radio - \$85
Message-ID: <000701bfdb4\$f15b03e0\$09a1aec7@kg9h>

Hi all:

I have a FT-7 that I bought for a project.

The radio works, but is missing the pa unit.

All other functions seem to work, would probably make a good exciter for that transverter.

I have not had time (bought a K2!) to design es build a power amp. \$85 shipped.

Frank KG9H

Date: Sun, 14 May 2000 09:50:12 -0700
From: Roger J Wendell <zeekzilch@juno.com>
To: cqclist@cqc.org, qrp-1@Lehigh.EDU
Cc: dxer@aol.com, aa7qc@uswest.net, v31ry@ix.netcom.com
Subject: [70176] QRPP and OSHA
Message-ID: <20000514.095017.-511665.2.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

For some light reading I was looking through the 29 Code of Federal Regulations, Part 1910, Section .97 (An FCC coincidence?) and discovered the following:

OSHA, for its standards in General Industry, requires warnings for radio emissions between 10 MHz to 100 GHz at power levels down to 10 mW (Ten Milliwatts)!!

Although it's a bit over my head, they provide these guidelines for partial and whole body exposure for periods of 0.1 hour or more whether or not the emission is continuous or intermittent.

I don't know much about it but believe this means even QRPers should be cautious when working with RF...

WBOJNR
<http://www.rogerwendell.com>

-
--

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 14 May 2000 09:46:12 -0600

From: Pete <peteros@home.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70177] Re: HOT DAWG -- FW/G3TXF!!!!
Message-ID: <391ECA44.7D1A863E@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Adrian Weiss wrote:

>

> FW/G3TXF has been showing up around 0500-0600 on 30m, various
> freqs.

Got FW/G3SXW twice yesterday with 900mW on 15m at 1948Z and 10m at
2144Z.

Tribander @ 40ft.

73 de Pete VE5VA

Date: Sun, 14 May 2000 09:30:28 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'zeekzilch@juno.com'" <zeekzilch@juno.com>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Subject: [70178] RE: QRPP and OSHA
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB2E@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Just a thought... I haven't read up on it, but perhaps they mean the
field strength (mW per cm², etc) and not transmitter power output?
There are also some RF exposure standards I've heard about under
"OST 65"; these may be in the FCC web site.

73

Jay

W6CJ

-----Original Message-----

From: Roger J Wendell [mailto:zeekzilch@juno.com]
Sent: Sunday, May 14, 2000 9:50 AM
To: Low Power Amateur Radio Discussion
Subject: QRPP and OSHA

For some light reading I was looking through the 29 Code of Federal Regulations, Part 1910, Section .97 (An FCC coincidence?) and discovered the following:

OSHA, for its standards in General Industry, requires warnings for radio emissions between 10 MHz to 100 GHz at power levels down to 10 mW (Ten Milliwatts)!!

Although it's a bit over my head, they provide these guidelines for partial and whole body exposure for periods of 0.1 hour or more whether or not the emission is continuous or intermittent.

I don't know much about it but believe this means even QRPers should be cautious when working with RF...

WB0JNR

<http://www.rogerwendell.com>

-
--

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sun, 14 May 2000 13:22:15 EDT
From: Wb8siw@aol.com
To: JCoote@ci.arcadia.ca.us, qrp-1@lehigh.edu
Subject: [70179] Re: QRPP and OSHA
Message-ID: <d9.41ab1d3.26503ac7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 05/14/2000 12:32:58 PM Eastern Daylight Time,
JCoote@ci.arcadia.ca.us writes:

<< There are also some RF exposure standards I've heard about under
"OST 65"; these may be in the FCC web site.

73

Jay

W6CJ >>

Hi Jay:

Yes, last time I checked, 0ET-65 was available at the FCC Web Site.

73, Jim WB8SIW

Date: Sun, 14 May 2000 13:30:05 -0400
From: john@neknetwork.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70180] Please help me test "The Loop"
Message-ID: <391EE29D.983EF832@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

I'm having trouble scaring up a QRP level QSO with my new loop antenna. Either the bands are funky, or I'm just not getting out. I've done very well with 100w, but so far it's been abmismal with 5w.

At 1730 UTC I will be on 20m, 14.040 or just higher calling CQ and listening. I'll keep at it for about 20 minutes. If you have a moment, give it a listen. I'd like to work as many stations as possible and keep it short.

Tnx es 73,

John

(P.S. I'm in Orleans county, Vermont)

--
John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Affordable web site hosting under your domain name!
C/C++, Perl, CGI, RDBMS, Web site creation and
Network Administration

Date: Sun, 14 May 2000 14:05:19 -0400
From: john@neknetwork.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70181] Re: Please help me test "The Loop"

Message-ID: <391EEADF.1A36E3C3@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Sheesh, I can't believe I left off my call!

Sri!

I'll be calling CQ on 14.040 up or down a few depending on QRM until 1820 UTC or so... tnx

John, KB1ENS

john@neknetwork.com wrote:

>
> Folks,
>
> I'm having trouble scaring up a QRP level QSO with my new loop antenna.
> Either the bands are funky, or I'm just not getting out. I've done very
> well with 100w, but so far it's been abmismal with 5w.
>
> At 1730 UTC I will be on 20m, 14.040 or just higher calling CQ and
> listening. I'll keep at it for about 20 minutes. If you have a
> moment, give it a listen. I'd like to work as many stations as possible
> and keep it short.
>
> Tnx es 73,
>
> John
>
> (P.S. I'm in Orleans county, Vermont)
> --
> John Wagner - john@neknetwork.com
> Web page: <http://www.neknetwork.com>
> Affordable web site hosting under your domain name!
> C/C++, Perl, CGI, RDBMS, Web site creation and
> Network Administration

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Affordable web site hosting under your domain name!
C/C++, Perl, CGI, RDBMS, Web site creation and
Network Administration

Date: Sun, 14 May 2000 12:57:42 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <wb2vuo@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70182] Re: Recovering a Flooded Project?
Message-ID: <07da01bfbdc569cfc540\$0200000a@mcg.net>

| Before I toss what I have, does anyone have any cleaning techniques that
| might salvage the exsisting board? Do I even want to try? There's no
| shiny copper left anywhere on the main board, but it's no pitted (as of
| yet).

Wash in warm soapy water, use a paint brush to scrub out the crevices. Rinse
in running warm water. I don't recommend putting it in the oven, the circuit
board might warp. Shake as much water off as you can and set the board on edge
in front of a window fan set to high.

Recheck each section for proper function. Chance are very good it will work
as before.

Hope this Helps, 73 de Cla KA0GKC

Date: Sun, 14 May 2000 14:39:11 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>
To: qrp-l@Lehigh.EDU
Subject: [70183] FS ark-40,mfj-971,MBV tuner
Message-ID: <Pine.LNX.4.20.0005141432110.351-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The following are as new.

S&S engineering ARK-40 5W synthesized transceiver(40M) with optional
keyer kit. (keyer kit is unbuilt and in original packing)
with MFJ-971 qrp tuner. both units as new \$225 for the pair.

Viking MBV deluxe tuner.In excellent condition. I think it is like new.
May be the best tuner made...very rugged. It has two meters, one reads out
watts and the other automatically computes the SWR. (no need to calibrate
etc) \$350 for the tuner.

73,

Jim n2go

Date: Sun, 14 May 2000 11:39:49 -0700
From: Tom Bessler <tbessler@OregonVOS.net>
To: ka0gkc@arrl.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70184] Re: Recovering a Flooded Project?
Message-ID: <v04210102b544a0eb3340@[192.168.76.3]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

> I don't recommend putting it in the oven, the circuit board might warp.

The boards are baked at about 450 degrees before they're shipped from the board manufacturer as part of the test procedure. Then they're stuffed with parts. 150 degrees shouldn't harm them. But, you can try a small test piece of board to make sure.

I had a cat once that "sprayed" through the air vents on top of a AM-FM receiver. I had to resort to alcohol and Q-tips to clean the board and to eliminate crystalized cat urine from bridging between connections. Then, it used large amounts of distilled water to flush the alcohol away. I let mine air dry for several days. Nasty job, but it worked. The unit was returned to service.

Tom, WB7WSF

Date: Sun, 14 May 2000 15:24:43 EDT
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [70185] For all the newly upgraded folks who need antenna info !
Message-ID: <20000514.153141.4599.2.kc8aon@juno.com>

G5RV Formula - a simple multiband antenna !
By: Rick McKee, KC8AON
Willow Wood, Ohio

Most people think that the famous G5RV antenna was designed as a multi-band antenna, but in fact, it was actually designed as a three - half waves in phase antenna for 14 Mhz by Louis Varney, G5RV. Mr. Varney's version used open wire (600 ohm) feed line all the way to the transmatch instead of the short section of 450 ohm window line and 70 feet of 75 ohm coax that most of us know today. Mr. Varney also found

out that his antenna would work other bands as well with a fair amount of efficiency with the use of the transmatch. As designed, the G5RV exhibits a low SWR on 14 Mhz of around 1.8:1 into a 75 ohm load, but the SWR varies significantly on the other bands, so the transmatch must be used when using it on bands that it was not designed for. To figure the length of the G5RV antenna as we know it today using the short section of twin lead and coax combo, we simply use 2 simple mathematical formulas. This type of antenna can be designed for any frequency, so the conventional dimensions will be different for different bands. To figure the "flat top" (dipole) length, we use the formula: $1428 / F \text{ Mhz} = \text{Length in feet}$, and the formula of the matching is: $468 / F \text{ Mhz} \times \text{velocity of the twin lead} = \text{Length in feet}$. So, to figure a conventional G5RV, we divide 1428 by 14 Mhz, which equals 102 feet. This is the total length of the flat top section, and since it is fed at the center, this makes each half 51 feet long. Now for the matching section, we will use 450 ohm window line with a velocity factor of 98% for the equations, so, 468 divided by 14 Mhz equals 33.43 feet, multiplied by 98% = 32.76 feet. So we now have a 102 foot dipole fed at the center with a 32.76 foot long section of 450 ohm window line, now just connect 70 feet of 75 ohm coax between the 450 ohm line and tuner, and you are ready to go on the air. To demonstrate the difference in size for different bands, we will now figure one for 15 meters as an example. So, 1428 divided by 21 Mhz = 68 feet, this is the flat top, so we divide it by 2 to find the center and this makes each side 34 feet long. For the matching section, we divide 468 by 21 Mhz = 22.29 feet multiplied by 98% = 21.84 feet of 450 ohm window line, we now attach 70 feet of 75 ohm coax and have a fair match on 15 meters. Notice that the 15 meter version is almost the same size as a conventional coax fed dipole which is about 66 feet long, so this 15 meter antenna will work very well from 40 meters on up when using a transmatch. Of course, you can do as Mr. Varney did and run the 450 ohm window line all the way to the balanced output of your tuner eliminating even more loss and giving your efficiency a big boost! The G5RV, is not the answer to everyones antenna problems, but when space limitations dictate a compromise, it sure can save the day! And remember, when you have space limitations, there is absolutely no need to be stuck on one band - you simply learn to improvise !73.....KC8AON

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sun, 14 May 2000 11:53:10 EDT

From: Rick McKee <kc8aon@juno.com>

To: anuelcaserta@webtv.net, wa4swf@foothills.net, rgfruth@yahoo.com,

wd8mio@ee.net, gwharrold@alturaenergy.com, tbear@zoomnet.net, kz8j@aol.com,
mmorr10133@aol.com, KB8NPY@juno.com, generallum@webtv.net,
lgernst@worldnet.att.net, kb8lov@juno.com, n8lro@zoomnet.net, qrp-1@Lehigh.EDU,
Message-ID: <20000514.153141.4599.1.kc8aon@juno.com>

From: kc8aon
Full-Name: Rick McKee
Subject: Ham Radio for the compleat idiot.
X-Status: New

THIS GUY GETS THE DUMMY LOAD AWARD !

To Mr. (name omitted) District Manager for AlabamaRadio Shack3300 N. Pace
BlvdPensacola, FL. 32505Dear Sire,This letter is complain about the
problems I have having with the ham radio model number 19-1101 I had got
from your company Radio Shack. I had this shipped special to me from
your store 1096 Eastdale Mall Montgomery Alabama. I was got this because
I think that i would get transmitt furthurthat I did with the TRC 217 40
channel walkie talkie.The problem that had first was when I was going to
hook this radio HTX-1000 to the antenna the conektor on the radio was
wrong it wouldn't attach to my cable. I was able to hook it finally by
making a small change inin the connektor. As soon as I tried to use it
there was no sound comingat all. This happened for two days and I never
did get to talk to anybodythe whole two days. That day the cable company
came knocking my door andsaid there was something causing problems at my
house and disconnekted myradio from the cable line. you knew when i
brought the Radio that I was going to use that for my antennne. You
didn't tell me not to why not?Next time I decided to put the HTX-1000 in
my automobile I thought I wouldsee how it worked their. I hooked it to
my CB-antenna and at least I could hear people. But what happens now is
no one wants to talk to me becausethey says you have to have a licencs to
talk to them. Why? I dont have tohave a licencs to talk on my CB.
They'll talk to me there. Anyhow it dontmatter much anymore because
somebody done took the radio HTX-1000 from myautomobile. What I would
like for you Radio Shack to do is refund my money because I don't have
the radio anymore and its not my fault i dont and I think you should give
me back my money. Also the cable company here says that I hurt something
in there line and want to be paid fix it. It will cost\$27482.98 to fix
the equipment they say was damaged because you didnttell me not to hook
it to the cable. Please remit to me the check for \$27758.53 for damages
due. To save this matter from going to court thecheck must be in my hand
by June first or I will turn this over to my attorneys of law.Thank you
name withheld

Date: Sun, 14 May 2000 15:41:51 EDT
From: Wb8siw@aol.com

To: zeekzilch@juno.com, qrp-1@lehigh.edu
Subject: [70187] Re: QRPp and OSHA
Message-ID: <65.43f3553.26505b7f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 05/14/2000 11:46:18 AM Eastern Daylight Time,
zeekzilch@juno.com writes:

<< I don't know much about it but believe this means even QRPers should be
cautious when working with RF... >>

I beg to differ. Research into the effects of electromagnetic radiation on
the human body have offered very inconclusive results. The Commission and
OSHA even admit this, justifying their actions based on the opinion that it
is simply better to be proactive.

When the new FCC guidelines were introduced, a number of engineers from our
Company and I took some time to conduct measurements at a variety of
Commercial and Amateur Radio stations utilizing a NARDA survey meter designed
to determine compliance with FCC and OSHA standards. These measurements were
compared against various mathematical models being considered for use as part
of on-going antenna site management programs. The results were not fully
scientific, but nonetheless instructive.

The Amateur Radio stations tested presented few problems, even at 100 watt
levels. Most operators and their families were exposed to levels far below
the standards outlined in OET-65 and other documents. In addition, unlike
commercial facilities, where such services as paging and broadcasting
transmitters may operate with an 80 to 100 percent duty cycle, Amateur
Stations tend to be at the opposite end of the "duty cycle" spectrum.

QRP operating levels should present few if any concerns regarding EME for a
number of reasons:

- 1) Field Strength is relatively low due to the low power levels utilized.
- 2) Duty cycle is quite low for all forms of Amateur Radio operation, with
the possible exception of repeaters and the like.
- 3) EME hazards are frequency dependent to some degree. In addition, unlike
cellular telephones or VHF hand-held radios which place a radiating device
close to the eyes or head, most home amateur radio stations locate an antenna
some distance away from the operator.

In my opinion, QRPers have little to worry about when it comes to
electromagnetic exposure.

73,

Jim Wades, WB8SIW

Date: Sun, 14 May 2000 15:32:43 -0500
From: "George T. Baker" <w5yr@att.net>
To: tbessler@OregonVOS.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70188] Re: Recovering a Flooded Project?
Message-ID: <391F0D6B.DC0E4DF3@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What happened to the cat?

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

Tom Bessler wrote:

> I had a cat once that "sprayed" through the air vents on top of a
> AM-FM receiver. I had to resort to alcohol and Q-tips to clean the
> board and to eliminate crystalized cat urine from bridging between
> connections. Then, it used large amounts of distilled water to flush
> the alcohol away. I let mine air dry for several days. Nasty job,
> but it worked. The unit was returned to service.

Date: Sun, 14 May 2000 17:17:03 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Wb8siw@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [70189] Re: QRPp and OSHA
Message-ID: <391F17CF.5965@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You guys are all forgetting that OSHA and the various state agencies are charged with regulating INDUSTRIAL SAFETY, WORKPLACE SAFETY. I want them around to make sure the folks I work for don't cut corners with my

safety through negligence or ignorance. THEY DO NOT REGULATE WHAT YOU DO WITH YOUR RADIO IN YOUR HOME, ONLY WHAT THE MANUFACTURER SELLS.

73

Date: Sun, 14 May 2000 17:41:18 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [70190] Re: Loop!
Message-ID: <20000514.174121.-260127.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Dear John: yea!! another Dear John letter...

about ur loop ant.... If you have the room... if things are situated right... u might try a sling shot or bow and arrow with a spool of string bow hunters use to attach to their arrows so they can track deer after they are shot... I think the strength is about 70lbs before it breaks...

You could shoot the arrow or lead weight over the tree tops and then pull some wire or rope over the trees... if u shot from a few locations u could make a loop or one long dipole or longwire....

I suggest u do some figureing and then come out shooting....oh... use INSULATED wire... so the ant won't short to the trees when the trees are wet...

think about it and draw some diagrams... U could end up with one or more superior antennas...and with the right color wire the antenna would not be seen...

kella joel
in maine
with wire an rope
in the trees

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 14 May 2000 14:52:38 -0700
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70191] Questions about Dayton
Message-ID: <000d01bfbdee\$ba0acf80\$e50b480c@default>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hiya, all.

I've been in mail postponement for about 2-months and am just back this weekend. I've missed the Dayton discussions -- which is the hotel/motel where the qrp gang is staying? And will there be nightly seminars? Please and tnx and best 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org , <http://home.att.net/~alan.kaul/index.html>

Date: Sun, 14 May 2000 14:57:00 -0700
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70192] question for former (or present) submariners
Message-ID: <000f01bfbdef\$55e88b40\$e50b480c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seems I remember a thread a year or two ago about submarine procedures. And if I remember correctly, Paul reported from New Mexico, that DIVE is accompanied by a klaxon sounding twice, while SURFACE is a klaxon thrice. Do I have it correct? Because the movie U-571 has the klaxon sounding three times and the command to DIVE-DIVE-DIVE. Did we have a dose of reality, or do I need to start taking memory pills?? Pls and tnx and best 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org , <http://home.att.net/~alan.kaul/index.html>

Date: Sun, 14 May 2000 18:32:26 -0400
From: "John Nally" <nally@talstar.com>
To: <qrp-1@lehigh.edu>
Subject: [70193] Delving Even Deeper Into Loops
Message-ID: <000f01bfbdf4\$4955e8a0\$043ffea9@r6g4f3>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, I have to admit that this discussion about loops has gotten me intrigued. So much that I went back and dug up an old ARRL Antenna Book (copyright 1984 -- I've actually been in this business for a long time, believe it or not. As we used to say about computer programmers, "I have one year's experience as a ham, repeated 30 times!")

Anyway...I digress...nothing in the book, nor in any of the entertaining and informative postings, answers one simple questions:

"What is the effect on a loop if a house sits in the middle of it?"

Now, you gotta envision a small lot, a house on blocks in the middle of the lot, and trees on either side. Kinda naturally calls out for a loop which goes up one side, over the top of the house, down the other side, under the bottom, and ends up very close to the Point of Beginning (as they say in surveying).

So...does this change the equation? Fry the unsuspecting inhabitants in the house while the OM transmits? What?

Yr. Obt. Svt.

John WB4LOQ

Date: Sun, 14 May 2000 18:30:30 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [70194] Re: Recovering a Flooded Project?
Message-ID: <20000514.183030.-192217.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

OK. I will be starting over, but not for a day or 3.

The first flush with the sink resulted in the copper peeling off the pads and in sections off the board. This is minor...

I am typing this with bandaged fingers as the skin on my fingers started to peel off about the same time also. Also, the skin on my shins and ankles is blistering.

The Emergency Room is guessing that the mix of paint, thinner and

whatever is affecting the skin, and I am seeing a Dermatologist in the AM. Until then, it's "Bag Balm (tm)" on the areas, gauze pads and /or bandages.

I called the Chief of the Bergen VFD, and let him know so if anyone shows similar symptoms they can get to Lakeshore about it.

It may not be a problem for anyone else that was there pumping the basement. I stood in the solution for hours wearing sneakers and cut-offs (the water was too deep for my boots!)

The moral of this: Get rid of your "Mystery Cans" before they are a problem. Fortunately, one of my customers does Haz-Mat testing, and one of their techs is taking samples from the sump and basement floor as I type.

Anyway, the 2N2/40 will be back on track by next weekend. The carcass of the first board is wrapped up and is going out with the Haz-Mat samples to Niamet for testing.

I'm listening on 10M phone as my keying leaves much to be desired right now...

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
VP & FD'00 Chairman, Brockport Amateur Radio Klub & SOC # 119
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

Oh yeah, QRV on 28.495 MHz...K

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

End of QRP-L Digest 1821

